Results of M-ERA.NET Call 2017

92 pre-proposals were submitted, requesting 67 Mio EUR funding in total.

53 pre-proposals were recommended for a full-proposal submission. 48 full-proposals were submitted.

37 full-proposals passed the full-proposal evaluation, requesting around 27 Mio EUR funding.

Depending on national/regional budgets and rules the national/regional funding organisations finally **selected 20 full-proposals for funding** corresponding to requested funding of 15.8 Mio EUR.

These projects are allocated to the call topics as follows:

- Integrated Computational Materials Engineering (ICME): **1** funded projects
- Innovative surfaces, coatings and interfaces: **4** funded projects
- High performance composites: **3** funded projects
- Multifunctional materials: **3** funded projects
- New strategies for advanced material-based technologies in health applications: **2** funded projects
- Materials for Additive Manufacturing: **7** funded projects

The total success rate (selected full-proposals vs total submitted pre-proposals) is 21.7 % (Fig. 1). For the different topics the rates of success vary:

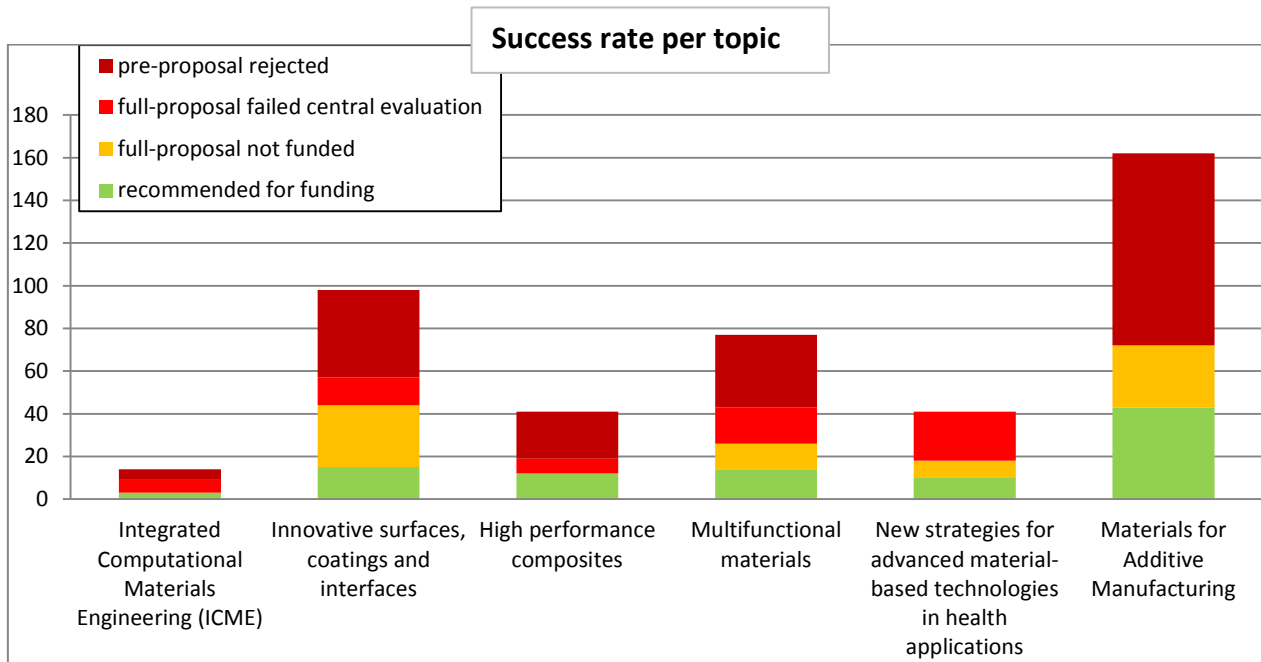|	
Integrated Computational Materials Engineering (ICME)	33.3%
Innovative surfaces, coatings and interfaces	19.0%
High performance composites	27.3%
Multifunctional materials	15.8%
New strategies for advanced material-based technologies in health applications	20.0%
Materials for Additive Manufacturing	25.0%

The success rate for the second stage (selected full-proposals vs. total submitted full-proposals) is 41.7%.

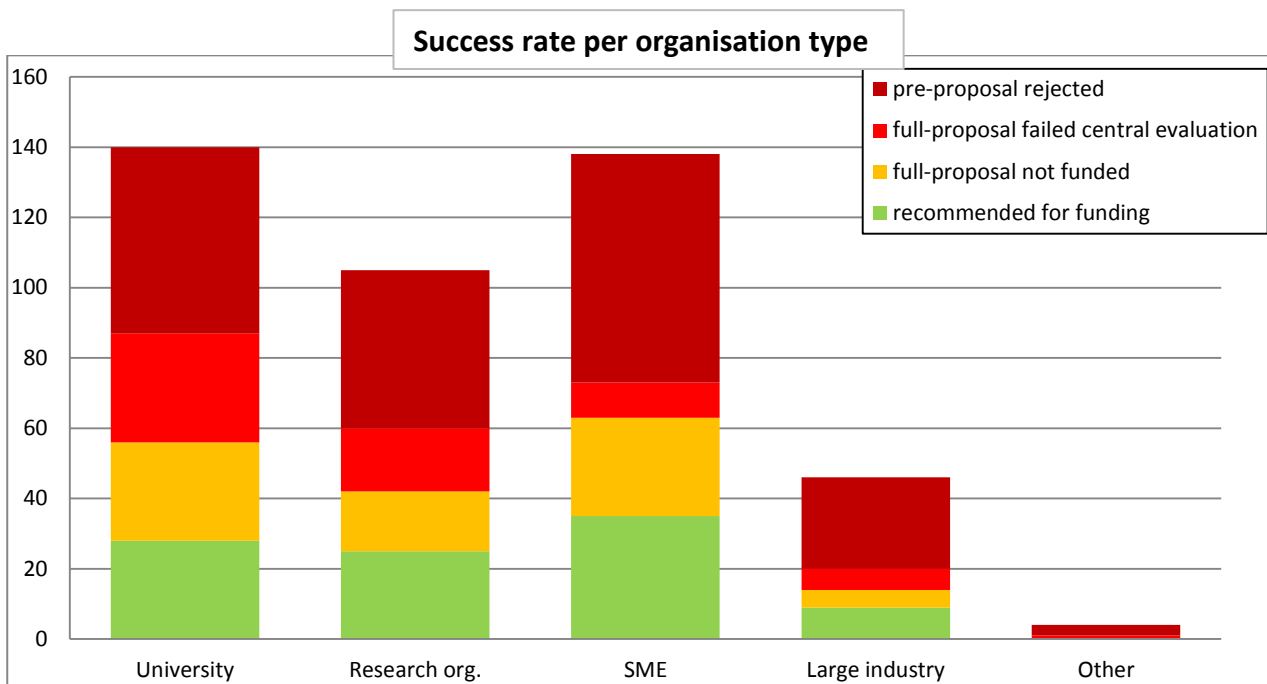|	
Integrated Computational Materials Engineering (ICME)	50.0%
Innovative surfaces, coatings and interfaces	28.6%
High performance composites	60.0%
Multifunctional materials	30.0%
New strategies for advanced material-based technologies in health applications	20.0%
Materials for Additive Manufacturing	58.3%

Eight selected full-proposals with a total funding volume of almost 5 Mio EUR address issues related to low carbon energy technologies.

The success rates (selected full-proposals vs total submitted pre-proposals) per organisation type are shown in Fig. 2. The success rate for universities is 20.0%, for research organisation is 23.8%, for SMEs 25.4%, and for large companies 19.6%.
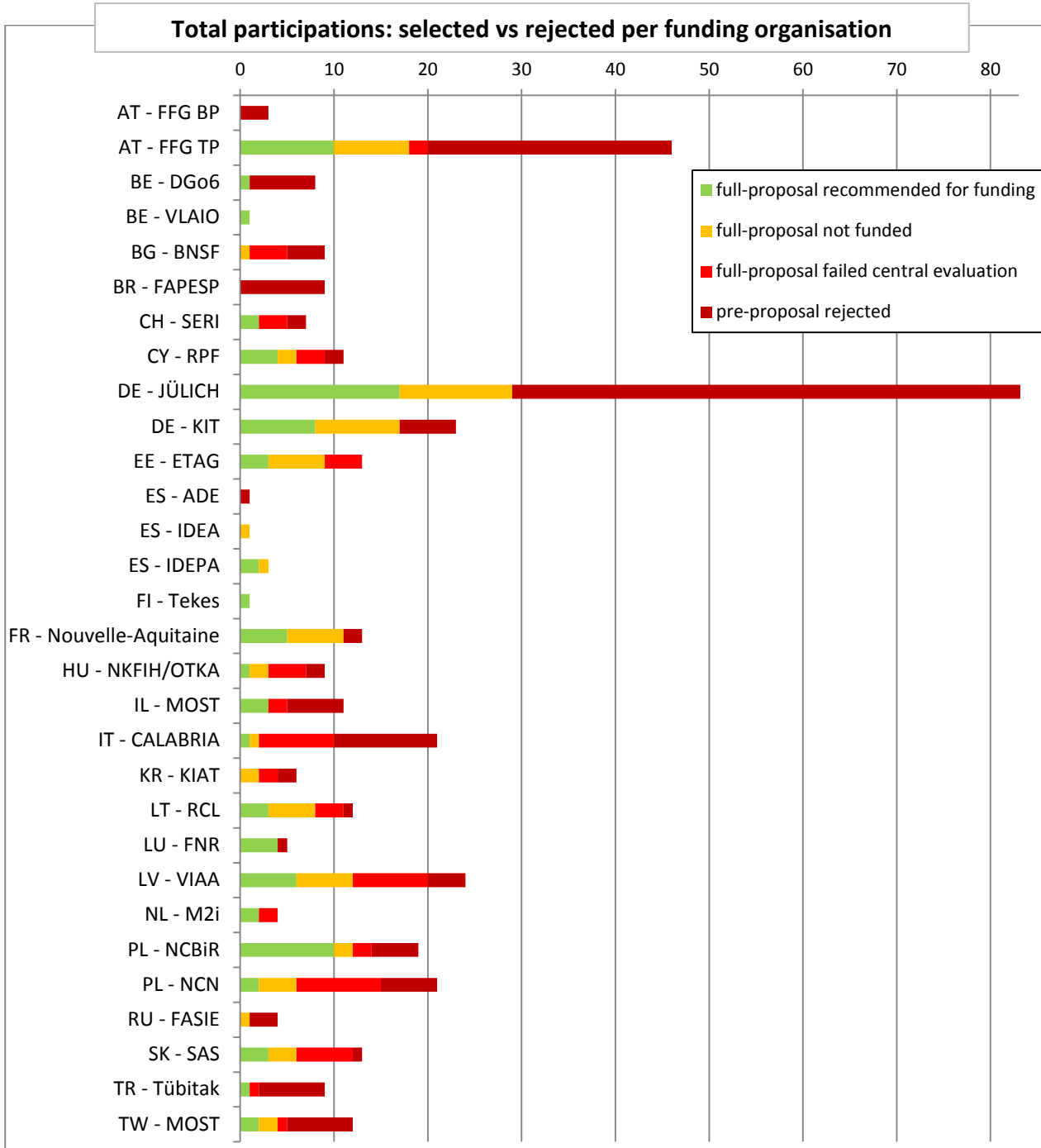
The success rates per individual national/regional funding organisation (number of selected full-proposals vs number of submitted proposals) are shown in Fig. 3.

Fig 1: Number of participations: selected full-proposals compared to rejected pre-proposals for all six call topics.

Fig 2.: Number of participations: selected full-proposals compared to rejected proposals for all organisation types.

Fig 3.: Total number of participations: success rate from pre-proposal phase to selected full-proposals.
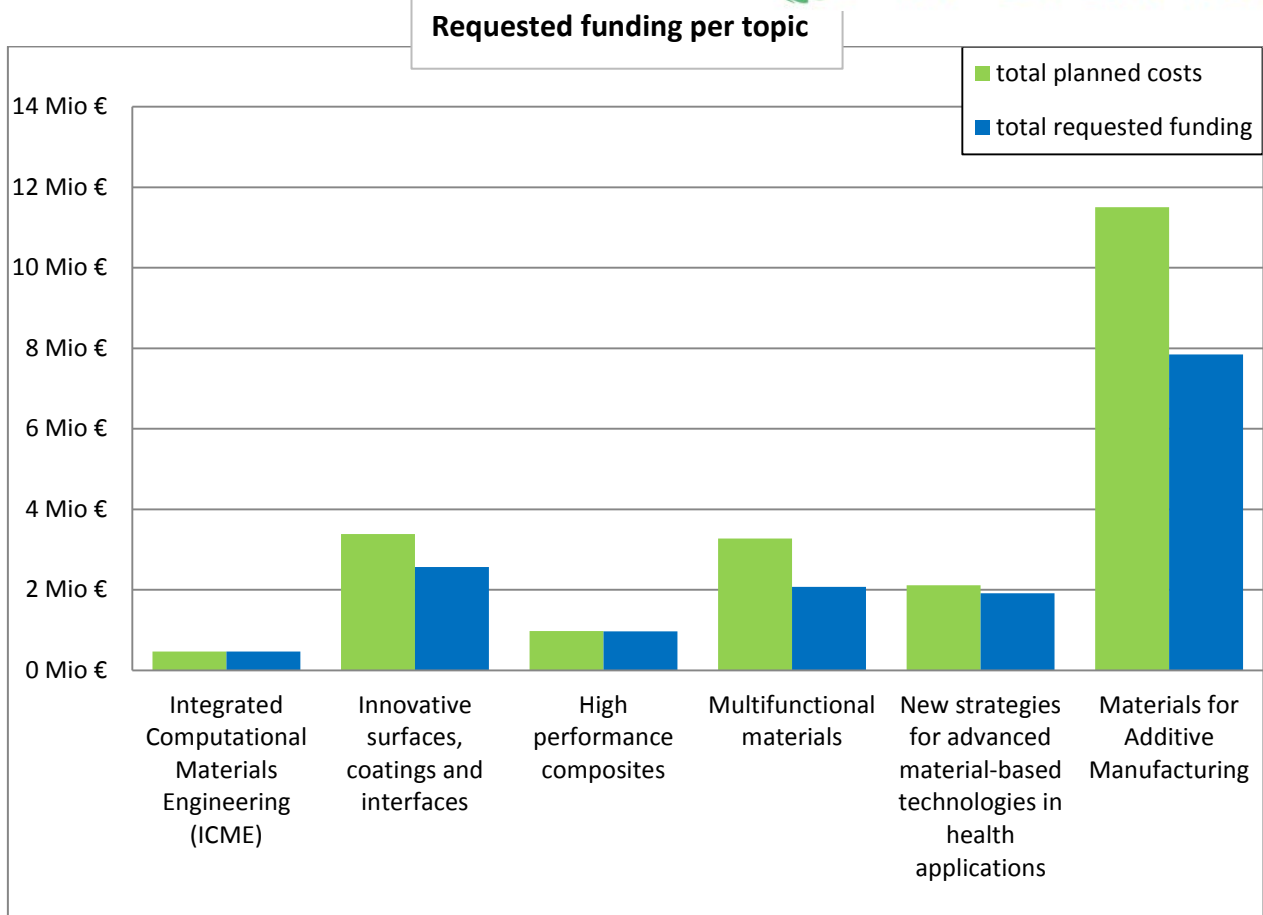
Fig 4.: Selected full-proposals: total project volumes and requested funding (EUR) per call topic.
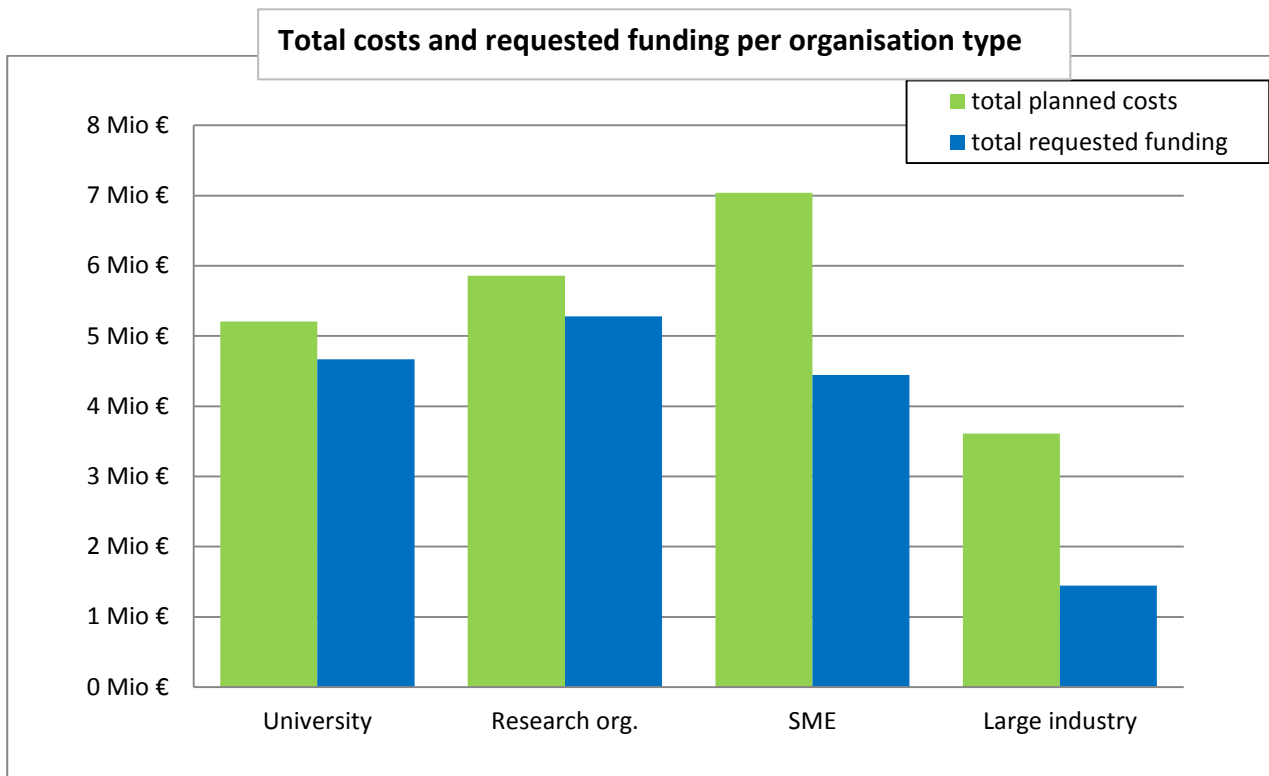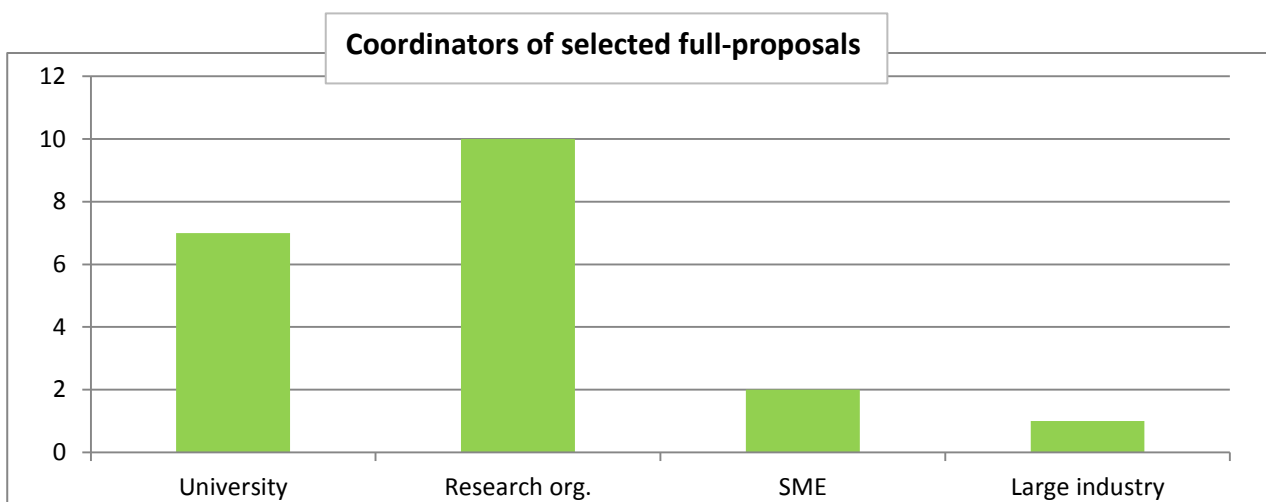

Fig 5.: Selected full-proposals: total requested funding and total planned costs (EUR) per organisation type.

For selected full-proposals the total project volumes and requested funding per call topic are shown in Fig. 4. The topic with the highest amount of requested funding is "Materials for Additive Manufacturing" with 7.8 Mio EUR. This is followed by the topics "Innovative surfaces, coatings and interfaces" and "Multifunctional materials" with 2.6 and 2.1 Mio EUR. For the topics "New strategies for advanced material-based technologies in health applications", "High performance composites" and "Integrated Computational Materials Engineering (ICME)" 1.9 Mio EUR and 1.0 Mio EUR and 0.5 Mio EUR funding are requested.
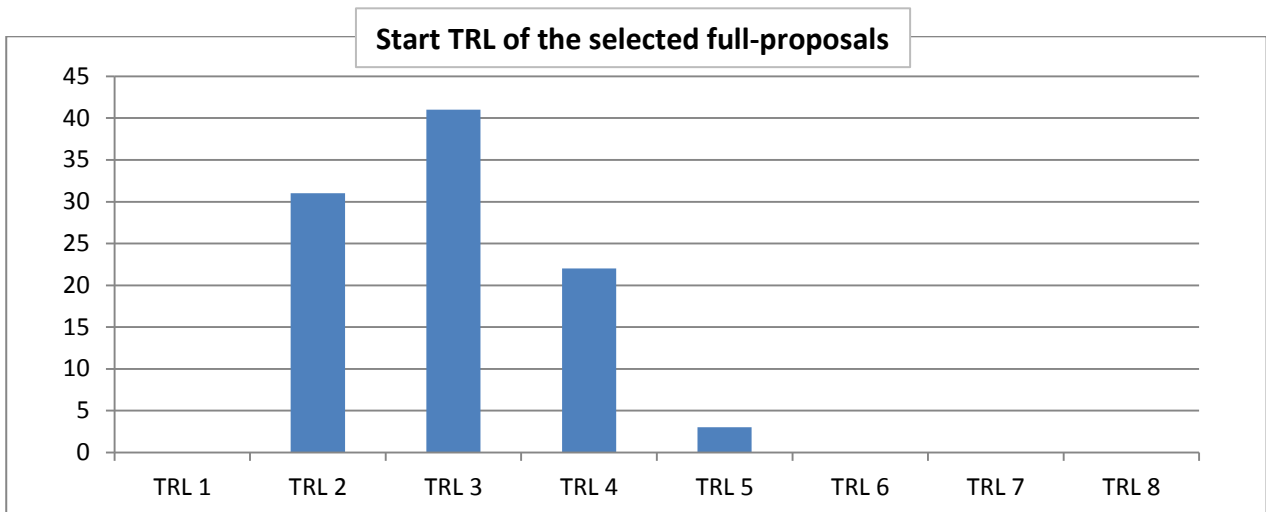
In the selected full-proposals 4.7 Mio EUR funding are requested by universities, 5.3 Mio EUR funding by research organisations, 4.4 Mio EUR funding by SMEs and 1.4 Mio EUR funding by large industry (Fig. 5).

Ten projects are coordinated by research institutions, seven by universities, two by SMEs and one project is coordinated by a large company (Fig. 6).
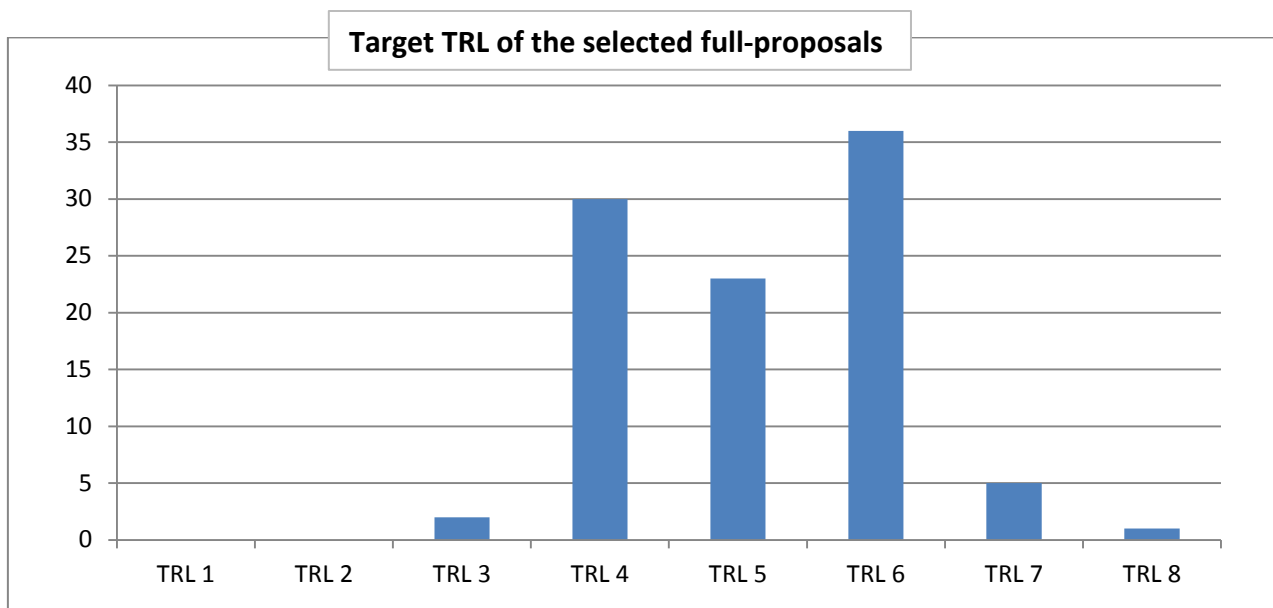

Fig 6.: Selected full-proposals: number of coordinators per organisation type.

The projects start from Technology Readiness Level (TRL) 2 (technology concept formulated) to TRL 5 (technology validated in relevant environment) (Fig. 7).Most of them start with TRL 3 (experimental proof of concept). The TRL which is targeted on the end of the project is between TRL 3 and TRL 8 (system complete and qualified) (Fig. 8). Most projects indicate an End-TRL of 6 (technology demonstrated in relevant environment). The average TRL of projects recommended for funding are higher compared to the Call 2016. In 2016 the average TRL at the project start was 2.5 compared to 3.0 in 2017. The target TRL of funded project in 2016 was in average 4.8 and now increased in the 2017 Call to 5.2.

Start TRL of the selected full-proposals

Fig 7.: Selected full-proposals: number of applicants per start Technology Readiness Level.

Target TRL of the selected full-proposals

Fig 8.: Selected full-proposals: number of applicants per target Technology Readiness Level

The requested funding of selected full-proposals per funding organisation is illustrated in Fig. 10.

Fig. 11 shows the distribution of applicants of successful proposals per topic and per country.
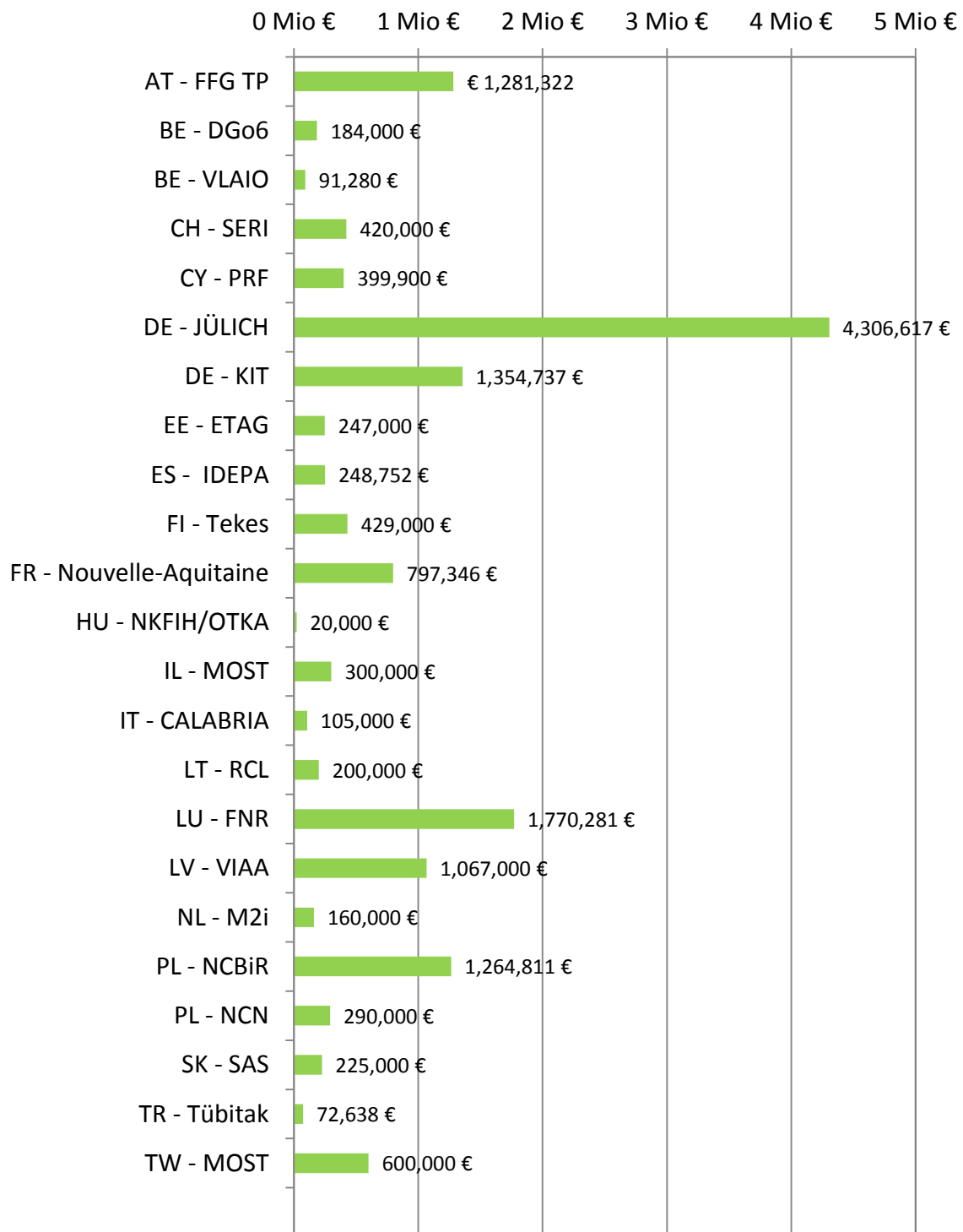
Selected full proposals: requested funding per funding organisation

Funding organisation	Requested funding
AT - FFG TP	€ 1,281,322
BE - DGo6	184,000 €
BE - VLAIO	91,280 €
CH - SERI	420,000 €
CY - PRF	399,900 €
DE - JÜLICH	4,306,617 €
DE - KIT	1,354,737 €
EE - ETAG	247,000 €
ES - IDEPA	248,752 €
FI - Tekes	429,000 €
FR - Nouvelle-Aquitaine	797,346 €
HU - NKFIH/OTKA	20,000 €
IL - MOST	300,000 €
IT - CALABRIA	105,000 €
LT - RCL	200,000 €
LU - FNR	1,770,281 €
LV - VIAA	1,067,000 €
NL - M2i	160,000 €
PL - NCBiR	1,264,811 €
PL - NCN	290,000 €
SK - SAS	225,000 €
TR - Tübitak	72,638 €
TW - MOST	600,000 €

Fig 10.: Select full-proposals: requested funding per funding organisation (EUR).

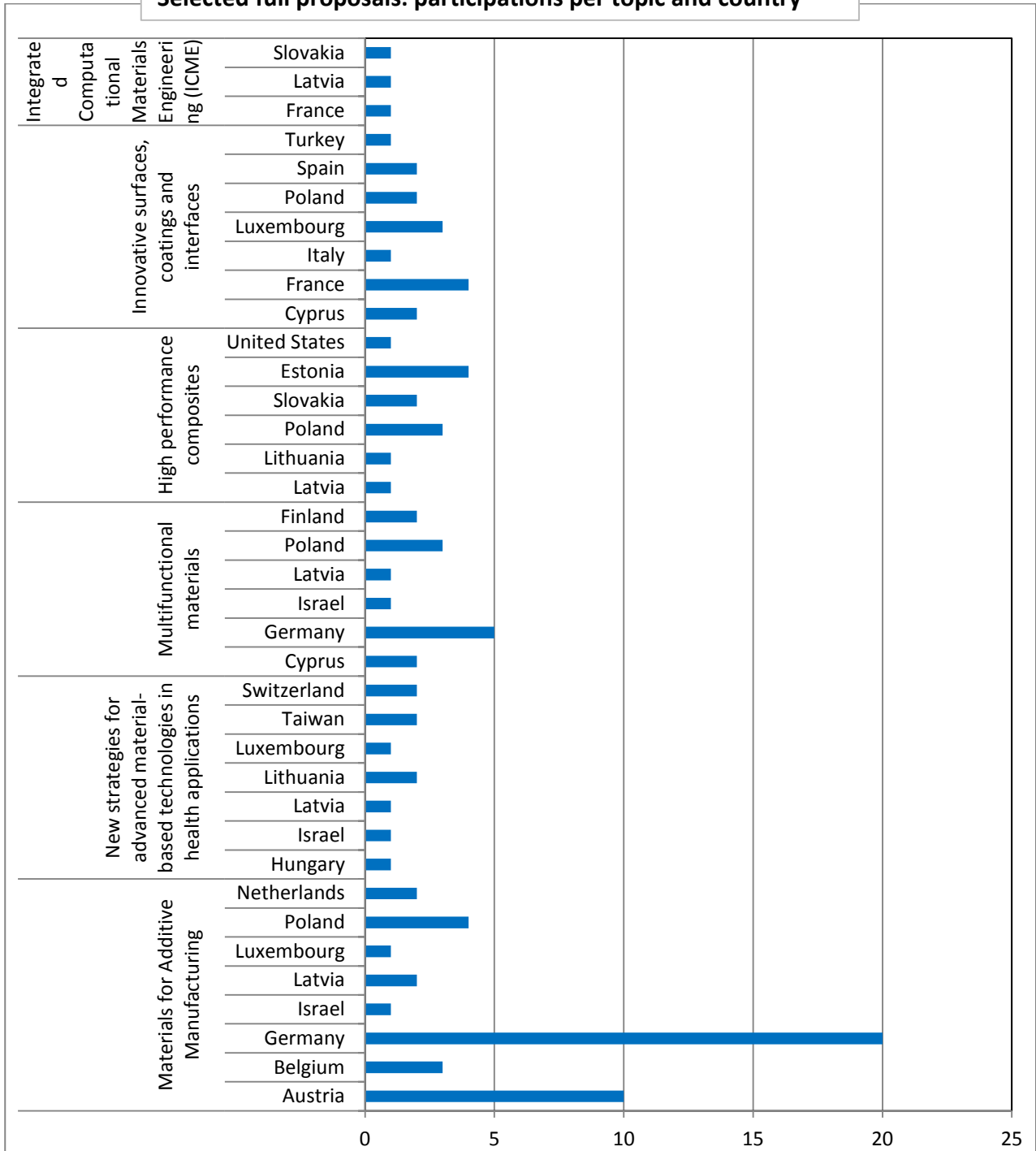**Selected full proposals: participations per topic and country**

Fig. 11: Number of applicants in selected full-proposals per topic and country